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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q72653

Kenichiro NAKAJIMA

Appln. No.: National Stage Entry of PCT/JP03/13494

Confirmation No.: Unknown

Group Art Unit: Unknown

Filed: April 15, 2005

Examiner: Unknown

For: ALLOY CONTAINING RARE EARTH ELEMENT, PRODUCTION METHOD THEREOF,
MAGNETOSTRICTIVE DEVICE, AND MAGNETIC REFRIGERANT MATERIAL

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed: (1) No later than three months from the application's filing date; (2) Before the mailing date of the first Office Action on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after filing a request for continued examination (RCE) under § 1.114, and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

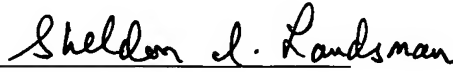
INFORMATION DISCLOSURE STATEMENT
U.S. Appl. No.: National Stage PCT/JP03/13494
Attorney Docket No.: Q872653

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant encloses herewith a copy of an English-language International Search Report dated February 10, 2004 for the corresponding International Application PCT/JP03/13494, including at least that portion of the International Search Report indicating the degree of relevance found by the International Searching Authority. Also, Applicant submits the following explanations: the articles in *Solid-State Physics* and *Materia Japan* are cited on pages 3 and 4 of the present specification and are discussed throughout the present specification. In addition, English language Patent Abstracts of Japan are enclosed for JP 2000-54086, 2002-356748 and 2002-69596, and the listed US 2004/0194855 corresponds to JP 2003-96547.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,


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Substitute for Form 1449 A & B/PTO				INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	
Application Number		National Stage Entry of PCT/JP03/13494			
Confirmation Number		Unknown			
Filing Date		April 15, 2005			
First Named Inventor		Kenichiro NAKAJIMA			
Art Unit		Unknown			
Examiner Name		Unknown			
Attorney Docket Number		Q72653			
Sheet	1	of	1		

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US 2004/0194855	A1	10-07-2004	Kazuaki Fukamichi et al
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	2000-54086	A	02-22-2000	Kazuaki Fukamichi	Abstract
		JP	2002-356748	A	12-13-2002	K.K. Toshiba	Abstract
		JP	2003-96547	A	04-03-2003	K. K. Toshiba	US 2004/0194855
		JP	2002-69596	A	03-08-2002	Kazuaki Fukamichi	Abstract

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶
		Maya FUJITA et al, "Itinerant-Electron Metamagnetic La(Fe _x Si _{1-x}) ₁₃ Compounds," <i>Solid-State Physics</i> , vol. 37, no. 6, (2002), p. 419-427	
		Maya FUJITA et al, "Large Volume and Magnetocaloric Effect of Itinerant-Electron Metamagnetic La(Fe _x Si _{1-x}) ₁₃ Compounds," <i>Materia Japan</i> , vol. 41, no. 4, (2002), p. 269-275	
		S. FUJIEDA et al, "Large Magnetic Magnetocaloric Effect in La(Fe _x Si _{1-x}) ₁₃ Itinerant-Electron Metamagnetic Compounds," <i>App. Phys. Lett.</i> , vol. 81, no. 7, August 2002, p. 1276-1278	
		S. FUJIEDA et al, "Giant Isotropic Magnetostriction of Itinerant-Electron Metamagnetic La(Fe _{0.88} Si _{0.12}) ₁₃ H _v Compounds", <i>App. Phys. Lett.</i> , vol. 79, no. 5, July 2001, p. 653-655	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.